

DOD

SR606

Owner's Manual

- **Line Mixer**
- **Distribution Amp**
- **Buffer Amp**

H A Harman International Company



These symbols are internationally accepted symbols that warn of potential hazards with electrical products. The lightning flash means that there are dangerous voltages present within the unit. The exclamation point indicates that it is necessary for the user to refer to the owners manual.

These symbols warn that there are no user serviceable parts inside the unit. Do not open the unit. Do not attempt to service the unit yourself. Refer all servicing to qualified personnel. Opening the chassis for any reason will void the manufacturer's warranty. Do not get the unit wet. If liquid is spilled on the unit, shut it off immediately and take it to a dealer for service. Disconnect the unit during storms to prevent damage.

U.K. Mains Plug Warning

A molded mains plug that has been cut off from the cord is unsafe. Discard the mains plug at a suitable facility. **Never under any circumstances should you insert a damaged or cut mains plug into a 13 amp power socket.** Do not use the mains plug without the fuse cover in place. Replacement fuse covers can be obtained from your local retailer. Replacement fuses are 13 amps and MUST be ASTA approved to BS1362.

Safety Instructions

Notice for customers if your unit is equipped with a power cord.

Warning: This appliance must be earthed.

The cores in the mains lead are colored in accordance with the following code:

Green and Yellow - Earth Blue - Neutral Brown - Live

As colors of the cores in the mains lead of this appliance may not correspond with the colored markings identifying the terminals in your plug, proceed as follows:

- The core which is colored green and yellow must be connected to the terminal in the plug marked with the letter E, or with the earth symbol, or colored green, or green and yellow.
- The core which is colored blue must be connected to the terminal marked N, or colored black.
- The core which is colored brown must be connected to the terminal marked L, or colored red.

This equipment may require the use of a different line cord, attachment plug, or both, depending on the available power source at installation. If the attachment plug needs to be changed, refer servicing to qualified service personnel who should refer to the table below. The green/yellow wire shall be connected directly to the units chassis.

CONDUCTOR		WIRE COLOR	
		Normal	Alt
L	LIVE	BROWN	BLACK
N	NEUTRAL	BLUE	WHITE
E	EARTH GND	GREEN/YEL	GREEN

Warning: If the ground plug is defeated, certain fault conditions in the unit or in the system to which it is connected can result in full line voltage between chassis and earth ground. Severe injury or death can then result if the chassis and earth ground are touched simultaneously.

Warning

For your protection, please read the following:

Water and Moisture: Appliances should not be used near water (e.g. near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

Power Sources: The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

Grounding or Polarization: Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

Power Cord Protection: Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

Servicing: To reduce the risk of fire or electrical shock, the user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

For units equipped with externally accessible fuse receptacle: Replace fuse with same type and rating only.

Electromagnetic Compatibility

Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.
- Use only shielded interconnecting cables.
- Operation of this unit within significant electromagnetic fields should be avoided.

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INTRODUCTION

Congratulations, and thank you for your purchase of the DOD SR606 Line Mixer/Distribution Amp.

The DOD SR606 is one of the most flexible sound reinforcement tools available on the market today. It can be used as a distribution amp, line mixer, buffer amp, or any combination of the three.

The SR606 is laid out in a logical and simplistic format. Each channel has its own level and pan control. The stereo inputs and stereo outputs have their own level adjustment as well.

This Owner's Manual is your guide to understanding how to get the most out of the SR606. Please read it carefully and familiarize yourself with the controls on the SR606. By doing so, you will open a world of audio solutions to multiple applications.

Your SR606 was carefully assembled and packaged at the factory. Before continuing any further, please make sure the following items have been included:

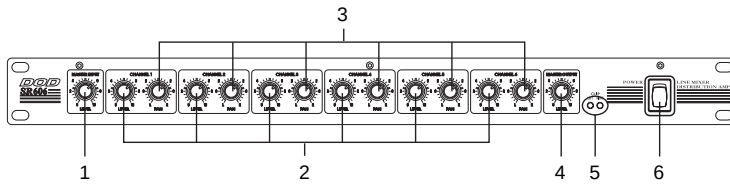
- I SR606**
- I Owners Manual**
- I Warranty Card**
- I Detachable Power Cord**

Please take a moment to fill out the warranty card. It is your safe guard in the unlikely event that your unit requires servicing. Please save all packing materials and use these materials to return the product if servicing is required.

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FRONT PANEL



1. Master Input Level - Controls the signal strength entering the Left and Right Inputs.

2. Channel 1-6 Level - Controls the signal strength entering the 1-6 inputs, being delivered to the 1- 6 Outputs, or being delivered to the Left and Right Outputs, depending on your application.

3. Channel 1-6 Pan - Controls the Left/Right position being delivered from Channels 1-6 to the Stereo Outputs, or Selects which Stereo Input Channel 1-6 is receiving its signal from.

4. Master Output Level - Controls the signal strength being delivered to the Left and Right Outputs.

5. Clip LEDs - These LEDs light 3 dB before clipping occurs at the Left or Right Outputs only.

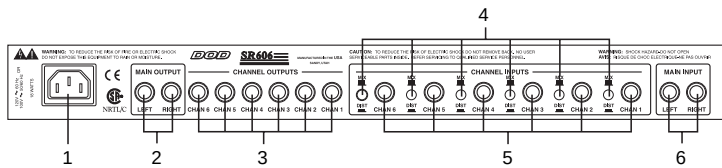
NOTE: The clip indicators will only register clipping at the outputs. They will not register a clip at any other point in the unit.

6. Power Switch - Used to engage or disengage the power to the SR606.

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REAR PANEL



1. Power Receptacle - Connect the detachable Power cord from here to an AC outlet

2. Main Output - These Left and Right Outputs can receive signal from the Left and Right Inputs, or the Channel 1-6 Inputs, or a combination, depending on your application.

3. Channel 1 - 6 Outputs - The Channel 1-6 Outputs can receive signal from the Main Inputs, or from the Channel 1 - 6 Inputs, or a combination, depending on your application.

4. Channel 1 - 6 Mix/Dist Switch - These switches selects individual Channels of the SR606 to be used as a distribution amp, or as a line mixer. When the switches are depressed, the SR606 will act as a distribution amp. When the switches are not depressed, the SR606 will act as a line mixer.

NOTE: If using the SR606 as a line mixer, make sure that all switches are out. This will prevent the unit from self oscillating.

5. Channel 1 - 6 Inputs - These are the Inputs for Channel's 1 - 6, which can be routed to the Left and Right Outputs, or the Channel 1 - 6 Outputs, or a combination, depending on your application.

6. Main Inputs - These Left and Right Inputs can deliver their signal to the Channel 1 - 6 Outputs, the Left and Right Outputs, or a combination, depending on your application.

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INSTALLATION

Install the SR606 in a rack with the provided rack screws. Route the AC power cord to a convenient power outlet away from audio lines. The unit may be turned on and off using the front panel power switch. Since the units draw a relatively small amount of current during idle, they can be left on continuously.

The DOD SR606 generates very little heat during operation and thus does not need to be specially ventilated or cooled. The unit should not, however, be subjected to high temperatures for extended periods. Although the unit's chassis is shielded against radio frequency and electromagnetic interference, extremely high RF and EMI fields should be avoided.

Once the SR606 has been installed and adjusted for the required levels, an optional security panel can be installed to keep unauthorized persons from changing the settings.

FUNCTIONS

The SR606 can be used as a Line Mixer, a Distribution Amp, a Buffer Amp, or any combination of the three. The following sections outline the set up procedure for all three applications, and define the functions of the knobs for each.

LINE MIXER

To use the SR606 as a line mixer, simply connect each of your source signals to the Channel 1 - 6 Inputs. You may also connect a source signal to the Left/Right Main Inputs.

Connect the Left/Right Main Outputs to your power amp, or other destination.

The front panel Channel 1 - 6 Level controls will determine the amount of signal to be sent to the Left/Right Main Outputs.

The Channel 1 - 6 Pan controls will determine the position in the stereo field.

The Master Input Level will control the amount of signal reaching the Main Outputs from the Main Inputs.

The Master Output Level will control the overall signal being sent out of the Left/Right Main Outputs

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DISTRIBUTION AMP

To use the SR606 as a distribution amp connect your source signal to either the Left, Right, or Left and Right Inputs.

Connect as many of the 1 through 6 Outputs as desired. You may also use the Left and Right Outputs for a total of 8 Outputs.

The signal coming in to the Left/Right Inputs will be delivered to the 1 through 6 Channel Outputs.

The Level control of each Channel will adjust the volume at each individual Channel Output.

The Pan control of each Channel will select which Input (Left/Right) the signal is being taken from.

The Master Output will only affect the signal strength at the Left/Right Outputs.

In this mode the SR606 can be used as a mono in with six outputs, or a dual mono in with as many outputs (up to 4 for each mono input) as you desire.

BUFFER AMP

To use the SR606 as a buffer amp, connect your source signals to as many of the 6 Inputs as needed.

Connect as many of the 6 Outputs as needed. This should coincide with the number of Inputs.

The Channel Level knobs will now attenuate, or provide up to a 4 dB boost in gain to the signal(s) being sent to the corresponding Outputs.

MAINTENANCE AND SERVICING

There are NO user serviceable parts inside the units. Opening the chassis will void the warranty. All service and repair must be performed by the factory or an authorized service center for the warranty to remain in service.

Should a problem arise with the equalizer, please contact your authorized DOD Electronics dealer for return/repair procedures.

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SPECIFICATIONS

Input Connectors:	8 1/4" TRS balanced
Input Impedance:	20K balanced
Maximum Input Level:	22dBu
Input Gain:	-98dB to +6dBu
Output Connectors:	8 1/4" TRS balanced
Output Impedance:	200 ohms balanced
Maximum Output Level:	22dBu
Frequency Response:	10Hz. to 22KHz.
THD+N:	.015% Ref. +4dBu @ 1KHz.
SNR:	90dB to mix outputs
Dynamic Range:	108dB

DOD WARRANTY

1. The warranty registration card must be mailed within ten days after purchase date to validate this warranty.
2. DOD warrants this product, when used solely within the U.S., to be free from defects in material and workmanship under normal use and service.
3. DOD Electronics liability under this warranty is limited to repairing or replacing defective materials that show evidence of defect, provided the product is returned through the original dealer, where all parts and labor will be covered up to a period of three (3) years. The company shall not be responsible for any consequential damage as a result of the products use in any circuit or assembly.
4. Proof of date of purchase is considered to be the burden of the consumer.
5. DOD reserves the right to make changes in design or make improvements upon this product without incurring any obligation to install the same on PRODUCTS PREVIOUSLY MANUFACTURED.
6. The foregoing is in lieu of all other warranties, either expressed or implied, and DOD neither assumes nor authorizes any person to assume for it any obligation or liability in connection with the sale of this product. In no event shall DOD or its dealers be liable for special or consequential damages or from any delay in the performance of this warranty due to causes beyond their control.

DECLARATION OF CONFORMITY

Manufacturer's Name: DOD Electronics
Manufacturer's Address: 8760 S. Sandy Parkway
Sandy, Utah 84070

declares that the product:

Product Name: SR606

Product Options: All

conforms to the following product specifications:

Safety: EN 60065 (1993)
IEC65(1985) with Amendments 1, 2, 3

EMC: EN 55013 (1990)
EN 55020 (1991)

Supplementary Information:

The product herewith complies with the requirements of the Low voltage directive 73/23/EEC and the EMC Directive 89/336/EEC as amended by directive 93/68/EEC.

DOD Electronics
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Effective (9/28/98)

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